

Installation of the Camera with Universal Mount and Pigtail Cable (KA208-01-08)

Introduction

This document provides a process overview for installing the Camera with Universal Mount and Pigtail Cable (p/n KA208-01-08).

The kit allows a Kairos camera to be mounted to a vehicle with either a 95lb magnet or a Ram-Mount suction cup. Either method requires the camera mount brackets be assembled first.

Camera Mount Brackets Sub-assembly

The primary components of the Camera Mount Brackets Sub-assembly are the Camera Mount Bracket Holder (p/n MCH-00315) and the Independent Mount Camera Bracket (p/n MCH-00518).

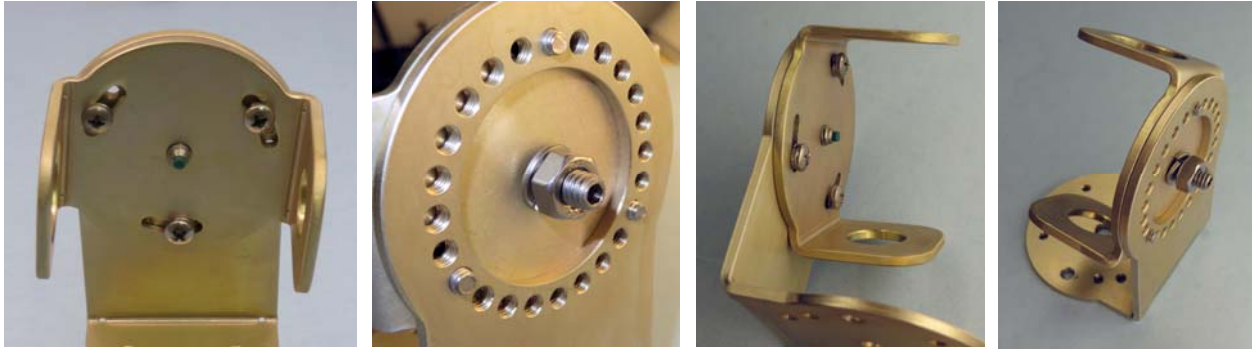
The Camera Mount Bracket Holder is “U” shaped with holes on either side for the actual camera.



The Independent Mount Camera Bracket is “L” shaped, with multiple mounting holes. The mounting holes in the Independent Mount Camera Bracket allow the Camera Mount Bracket Holder to be rotated as appropriate for the installation and the entire sub-assembly to be rotated on either the magnet or RAM-Mount assembly.



1. Manually thread the one (1) 1/4-20 x 3/4 green nylon-tipped socket set screw (p/n HRD-00337) through the center of the Camera Mount Bracket Holder.
2. Loosely place one (1) 1/4 lock washer and one (1) 1/4-20 nut on the outside of the nylon-tipped socket screw.
3. Manually orient the Camera Mount Bracket Holder and the Independent Mount Camera Bracket.
4. Use three (3) 8-32 screws and three (3) lock washers to secure the Camera Mount Bracket Holder to the Independent Mount Camera Bracket. These pieces can be adjusted later in situ.



The camera mount bracket sub-assembly can now be mounted to either a magnet mount or a RAM-Mount suction cup.

Magnet Mount Assembly

1. Slide one (1) 1/4-20 lock washer over one (1) 1/4-20 x 3/4" #3 Phillips screw.
2. Slide the screw with lock washer up through the magnet mount.
3. Holding the screw in place, set the Camera Mount Brackets Sub-assembly over the screw and magnet.
4. Use a #3 Phillips driver, a 7/16" wrench, and one (1) 1/4-20 Nylock nut to secure the magnet to the sub-assembly.



The magnet mount assembly can now be installed in a Pronto4 vehicle.

RAM-Mount Suction Cup Assembly

1. Use a #2 Phillips driver and the two (2) included screws to secure the Camera Mount Brackets Sub-assembly to the RAM-Mount Suction Cup.

The RAM-Mount assembly can now be installed in a Pronto4 vehicle.



Installation in Pronto4 Vehicle

1. Secure the completed mounting assembly to the vehicle, as appropriate.
2. Slide the camera into the Camera Mount Bracket Holder.

WARNING

The camera is NOT secured into the Camera Mount Bracket Holder. Ensure someone is manually holding the camera in place, until otherwise instructed. Failure to do so can result in equipment damage.

3. Connect the Camera Cable (CBL-028) to the Camera and P103 on the Pronto4 unit.
4. Boot up the Pronto4 and Operator Control Unit (OCU), per standard procedures.
5. Rotate the camera until the image is properly oriented.
6. Use a 1/8" hex driver to secure the nylon-tipped setscrew into the camera.
7. Use a 7/16" wrench to secure the setscrew to the Camera Mount Bracket Holder by tightening the 1/4-20 nut.



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